

Patent Assignment Abstract of Title

Total Assignments: 2**Application #:** 09762386**Filing Dt:** 02/28/2001**Patent #:** NONE**Issue Dt:****PCT #:** NONE**Publication #:** NONE**Pub Dt:****Inventor:** Johannes Manten**Title:** Cut-resistant articles of aramid microfilaments**Assignment: 1****Reel/Frame:** 011766/0003 **Received:** 05/09/2001 **Recorded:** 02/28/2001 **Mailed:** 08/14/2002 **Pages:** 2**Conveyance:** ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).**Assignor:** MANTEN, JOHANNES**Exec Dt:** 02/19/2001**Assignee:** TWARON PRODUCTS GMBH

KASINOSTRASSE 19-21

D-42103, WUPPERTAL, GERMANY

Correspondent: OLIFF & BERRIDGE, PLC

WILLIAM P. BERRIDGE

P.O. BOX 19928

ALEXANDRIA, VA 22320

Assignment: 2**Reel/Frame:** 013246/0579 **Received:** 09/06/2002 **Recorded:** 08/30/2002 **Mailed:** 11/18/2002 **Pages:** 15**Conveyance:** CHANGE OF NAME (SEE DOCUMENT FOR DETAILS).**Assignor:** TWARON PRODUCTS GMBH**Exec Dt:** 04/17/2001**Assignee:** TEIJIN TWARON GMBH

KASINOSTRASSE 19-21

D-42103 WUPPERTAL, GERMANY

Correspondent: OLIFF & BERRIDGE, PLC

WILLIAM P. BERRIDGE

P.O. BOX 19928

ALEXANDRIA, VA 22320

Search Results as of: 2/17/2004 5:50:13 P.M.

If you have any comments or questions concerning the data displayed, contact OPR / Assignments at 703-308-9723
Web interface last modified: Oct. 5, 2002

UPDATED SEARCH 2/17/04

Day : Tuesday
Date: 2/17/2004
Time: 17:50:23

**PALM INTRANET****Inventor Name Search Result**

Your Search was:

Last Name = MANTEN

First Name = JOHANNES

Application#	Patent#	Status	Date Filed	Title	Inventor Name 1
09762386	Not Issued	121	02/28/2001	CUT-RESISTANT ARTICLES OF ARAMID MICROFILAMENTS	MANTEN, JOHANNES

Inventor Search Completed: No Records to Display.

Search Another: Inventor

Last Name	First Name	
<input type="text" value="MANTEN"/>	<input type="text" value="JOHANNES"/>	<input type="button" value="Search"/>

To go back use Back button on your browser toolbar.

Back to [PALM](#) | [ASSIGNMENT](#) | [OASIS](#) | [Home page](#)

*updated
inventor
search*

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	4	((cut near3 resist\$7)) and 428/903.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/02/20 13:56
L4	29	(dtex or denier) and ((aramid or para-aramid or para-aramid\$3) or (polyaramid) or (aromatic adj3 polyamide) or (poly adj2 para-phenylene adj terephthalate) or (para-aromatic adj2 polyamides) or (PPD-T) or (Twaron) or (KEVLAR)) and 428/903.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/02/20 13:59
L5	4	((microfilament) or (microfiber) or (micro-filament) or (micro-fiber) or (microfine or ultrafine)) same ((aramid\$) or (polyaramid\$1) or (PBI) or (PPD-T) or (poly-aramid\$1) or (TWARON) or (KEVLAR))) and 428/903.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/02/20 13:54
S1	6801	(428/357,"359","364","377","395","401","907","903","908"."8","911").CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2003/01/07 13:28
S2	4533	((442/97,"134","189","301","308","340","351","401","414") or (2/1,"455","456","2"."5","16","21","159","161"."6","161"."7","907")).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2003/01/07 13:37
S3	10936	((428/357,"359","364","377","395","401","907","903","908"."8","911").CCLS.) or (((442/97,"134","189","301","308","340","351","401","414") or (2/1,"455","456","2"."5","16","21","159","161"."6","161"."7","907")).CCLS.)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/01/07 13:37
S4	22042	((cut near3 resist\$7) or (penetrat\$5 near3 resist\$7))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/02/20 12:47
S5	19379	((microfilament) or (microfiber) or (micro-filament) or (micro-fiber) or (yarn) or (string) or (fibre)) same ((aramid\$) or (polyaramid\$1) or (PBI) or (PPD-T) or (poly-aramid\$1))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/02/20 13:47

UPDATED SEARCH

S6	1	((microfilament) or (microfiber) or (micro-filament) or (micro-fiber) or (yarn) or (string) or (fibre)) same (poly near2 para-phenylene adj terephthalate)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/02/17 16:17
S7	1	((microfilament) or (microfiber) or (micro-filament) or (micro-fiber) or (yarn) or (string) or (fibre)) same poly near2 para-phenylene adj terephthalate	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/01/07 13:47
S8	217	((((428/357,"359","364","377","395","401","907","903","908"."8","911").CCLS.) or (((442/97,"134","189","301","308","340","351","401","414") or (2/1,"455","456","2"."5","16","21","159","161"."6","161"."7","907")).CCLS.)) and (((cut near3 resist\$7) or (penetrat\$5 near3 resist\$7))) and (((microfilament) or (microfiber) or (micro-filament) or (micro-fiber) or (yarn) or (string) or (fibre)) same ((aramid\$) or (polyaramid\$1) or (PBI) or (PPD-T) or (poly-aramid\$1))))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/01/07 13:48
S9	56	(((((428/357,"359","364","377","395","401","907","903","908"."8","911").CCLS.) or (((442/97,"134","189","301","308","340","351","401","414") or (2/1,"455","456","2"."5","16","21","159","161"."6","161"."7","907")).CCLS.)) and (((cut near3 resist\$7) or (penetrat\$5 near3 resist\$7))) and (((microfilament) or (microfiber) or (micro-filament) or (micro-fiber) or (yarn) or (string) or (fibre)) same ((aramid\$) or (polyaramid\$1) or (PBI) or (PPD-T) or (poly-aramid\$1)))) and staple	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/01/07 13:48
S10	17	(para-aramid\$3) and (((((428/357,"359","364","377","395","401","907","903","908"."8","911").CCLS.) or (((442/97,"134","189","301","308","340","351","401","414") or (2/1,"455","456","2"."5","16","21","159","161"."6","161"."7","907")).CCLS.)) and (((cut near3 resist\$7) or (penetrat\$5 near3 resist\$7))) and (((microfilament) or (microfiber) or (micro-filament) or (micro-fiber) or (yarn) or (string) or (fibre)) same ((aramid\$) or (polyaramid\$1) or (PBI) or (PPD-T) or (poly-aramid\$1)))) and staple	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/01/07 14:35

S11	6	((("5822791") or ("4738893") or ("5001003"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2003/01/07 14:52
S12	6	93/00564	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/01/07 14:52
S13	19	((microfilament) or (microfiber) or (micro-filament) or (micro-fiber) or (micro-fibre)) near3 ((aramid or para-aramid or para-aramid\$3) or (poly near2 para-phenylene adj terephthalate))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/02/17 17:55
S14	6	(denier or dtex) and S13	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/02/17 16:21
S15	341	TWARON	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/02/17 16:21
S16	2	S13 and S15	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/02/17 17:13
S17	1	S14 and S15	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/02/17 17:54
S18	144	manten	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/02/17 17:54
S19	0	johannes adj3 manten	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/02/17 17:54
S20	36	twaron adj products	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/02/17 18:12
S21	47	teijin adj twaron	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/02/17 18:04

S22	30	((microfilament) or (microfiber) or (micro-filament) or (micro-fiber) or (micro-fibre) or (microfibre)) near5 ((aramid or para-aramid or para-aramid\$3) or (polyaramid) or (aromatic adj3 polyamide) or (poly adj2 para-phenylene adj terephthalate) or (para-aromatic adj2 polyamides) or (PPD-T))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/02/17 18:13
S23	90	((microfilament) or (microfiber) or (micro-filament) or (micro-fiber) or (micro-fibre) or (microfibre)) same ((aramid or para-aramid or para-aramid\$3) or (polyaramid) or (aromatic adj3 polyamide) or (poly adj2 para-phenylene adj terephthalate) or (para-aromatic adj2 polyamides) or (PPD-T))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/02/17 18:33
S24	1693	(dtex or denier) same ((aramid or para-aramid or para-aramid\$3) or (polyaramid) or (aromatic adj3 polyamide) or (poly adj2 para-phenylene adj terephthalate) or (para-aromatic adj2 polyamides) or (PPD-T))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/02/17 18:34
S25	1701	(dtex or denier) same ((aramid or para-aramid or para-aramid\$3) or (polyaramid) or (aromatic adj3 polyamide) or (poly adj2 para-phenylene adj terephthalate) or (para-aromatic adj2 polyamides) or (PPD-T) or (Twaron))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/02/20 12:47
S26	13399	S25 and (cut near3 resist\$7) or (penetrat\$5 near3 resist\$7)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/02/17 18:34
S27	251	S25 and ((cut near3 resist\$7) or (penetrat\$5 near3 resist\$7))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/02/17 18:51
S28	2	("5578358").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/02/17 18:51
S29	641	prickett	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/02/17 18:51
S30	15	S29 and ((cut near3 resist\$7) or (penetrat\$5 near3 resist\$7))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/02/17 18:52

S31	28	((cut near3 resist\$7) or (penetrat\$5 near3 resist\$7)) and 428/903.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/02/20 13:45
S32	28	(dtex or denier) and ((aramid or para-aramid or para-aramid\$3) or (polyaramid) or (aromatic adj3 polyamide) or (poly adj2 para-phenylene adj terephthalate) or (para-aromatic adj2 polyamides) or (PPD-T) or (Twaron)) and 428/903.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/02/20 13:47

$$\frac{1.3 \text{ dtex}}{\times \text{ denier}} = \frac{10 \text{ dtex}}{9 \text{ denier}}$$

$$\frac{1.3 \times 9}{10} = 1.17 \text{ denier}$$

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	6801	(428/357,"359","364","377","395","401","907","903","908"."8","911").CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2003/01/07 13:28
S2	4533	((442/97,"134","189","301","308","340","351","401","414") or (2/1,"455","456","2"."5","16","21","159","161"."6","161"."7","907")).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2003/01/07 13:37
S3	10936	((428/357,"359","364","377","395","401","907","903","908"."8","911").CCLS.) or (((442/97,"134","189","301","308","340","351","401","414") or (2/1,"455","456","2"."5","16","21","159","161"."6","161"."7","907")).CCLS.)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/01/07 13:37
S4	22042	((cut near3 resist\$7) or (penetrat\$5 near3 resist\$7))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/02/20 12:47
S5	19379	((microfilament) or (microfiber) or (micro-filament) or (micro-fiber) or (yarn) or (string) or (fibre)) same ((aramid\$) or (polyaramid\$1) or (PBI) or (PPD-T) or (poly-aramid\$1))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/02/20 13:47
S6	1	((microfilament) or (microfiber) or (micro-filament) or (micro-fiber) or (yarn) or (string) or (fibre)) same (poly near2 para-phenylene adj terephthalate)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/02/17 16:17
S7	1	((microfilament) or (microfiber) or (micro-filament) or (micro-fiber) or (yarn) or (string) or (fibre)) same poly near2 para-phenylene adj terephthalate	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/01/07 13:47
S8	217	((((428/357,"359","364","377","395","401","907","903","908"."8","911").CCLS.) or (((442/97,"134","189","301","308","340","351","401","414") or (2/1,"455","456","2"."5","16","21","159","161"."6","161"."7","907")).CCLS.)) and (((cut near3 resist\$7) or (penetrat\$5 near3 resist\$7))) and (((microfilament) or (microfiber) or (micro-filament) or (micro-fiber) or (yarn) or (string) or (fibre)) same ((aramid\$) or (polyaramid\$1) or (PBI) or (PPD-T) or (poly-aramid\$1)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/01/07 13:48

S9	56	(((428/357,"359","364","377","395","401","907","903","908"."8","911").CCLS.) or (((442/97,"134","189","301","308","340","351","401","414") or (2/1,"455","456","2"."5","16","21","159","161"."6","161"."7","907")).CCLS.)) and (((cut near3 resist\$7) or (penetrat\$5 near3 resist\$7))) and (((microfilament) or (microfiber) or (micro-filament) or (micro-fiber) or (yarn) or (string) or (fibre)) same ((aramid\$) or (polyaramid\$1) or (PBI) or (PPD-T) or (poly-aramid\$1)))) and staple	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/01/07 13:48
S10	17	(para-aramid\$3) and (((((428/357,"359","364","377","395","401","907","903","908"."8","911").CCLS.) or (((442/97,"134","189","301","308","340","351","401","414") or (2/1,"455","456","2"."5","16","21","159","161"."6","161"."7","907")).CCLS.)) and (((cut near3 resist\$7) or (penetrat\$5 near3 resist\$7))) and (((microfilament) or (microfiber) or (micro-filament) or (micro-fiber) or (yarn) or (string) or (fibre)) same ((aramid\$) or (polyaramid\$1) or (PBI) or (PPD-T) or (poly-aramid\$1)))) and staple)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/01/07 14:35
S11	6	(("5822791") or ("4738893") or ("5001003")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2003/01/07 14:52
S12	6	93/00564	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/01/07 14:52
S13	19	((microfilament) or (microfiber) or (micro-filament) or (micro-fiber) or (micro-fibre)) near3 ((aramid or para-aramid or para-aramid\$3) or (poly near2 para-phenylene adj terephthalate))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/02/17 17:55
S14	6	(denier or dtex) and S13	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/02/17 16:21
S15	341	TWARON	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/02/17 16:21

S16	2	S13 and S15	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/02/17 17:13
S17	1	S14 and S15	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/02/17 17:54
S18	144	manten	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/02/17 17:54
S19	0	johannes adj3 manten	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/02/17 17:54
S20	36	twaron adj products	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/02/17 18:12
S21	47	teijin adj twaron	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/02/17 18:04
S22	30	((microfilament) or (microfiber) or (micro-filament) or (micro-fiber) or (micro-fibre) or (microfibre)) near5 ((aramid or para-aramid or para-aramid\$3) or (polyaramid) or (aromatic adj3 polyamide) or (poly adj2 para-phenylene adj terephthalate) or (para-aromatic adj2 polyamides) or (PPD-T))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/02/17 18:13
S23	90	((microfilament) or (microfiber) or (micro-filament) or (micro-fiber) or (micro-fibre) or (microfibre)) same ((aramid or para-aramid or para-aramid\$3) or (polyaramid) or (aromatic adj3 polyamide) or (poly adj2 para-phenylene adj terephthalate) or (para-aromatic adj2 polyamides) or (PPD-T))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/02/17 18:33
S24	1693	(dtex or denier) same ((aramid or para-aramid or para-aramid\$3) or (polyaramid) or (aromatic adj3 polyamide) or (poly adj2 para-phenylene adj terephthalate) or (para-aromatic adj2 polyamides) or (PPD-T))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/02/17 18:34

S25	1701	(dtex or denier) same ((aramid or para-aramid or para-aramid\$3) or (polyaramid) or (aromatic adj3 polyamide) or (poly adj2 para-phenylene adj terephthalate) or (para-aromatic adj2 polyamides) or (PPD-T) or (Twaron))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/02/20 12:47
S26	13399	S25 and (cut near3 resist\$7) or (penetrat\$5 near3 resist\$7)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/02/17 18:34
S27	251	S25 and ((cut near3 resist\$7) or (penetrat\$5 near3 resist\$7))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/02/17 18:51
S28	2	("5578358").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/02/17 18:51
S29	641	prickett	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/02/17 18:51
S30	15	S29 and ((cut near3 resist\$7) or (penetrat\$5 near3 resist\$7))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/02/17 18:52
S31	28	((cut near3 resist\$7) or (penetrat\$5 near3 resist\$7)) and 428/903.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/02/20 13:45
S32	28	(dtex or denier) and ((aramid or para-aramid or para-aramid\$3) or (polyaramid) or (aromatic adj3 polyamide) or (poly adj2 para-phenylene adj terephthalate) or (para-aromatic adj2 polyamides) or (PPD-T) or (Twaron)) and 428/903.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/02/20 13:47
S33	4	((cut near3 resist\$7)) and 428/903.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/02/20 13:56
S34	29	(dtex or denier) and ((aramid or para-aramid or para-aramid\$3) or (polyaramid) or (aromatic adj3 polyamide) or (poly adj2 para-phenylene adj terephthalate) or (para-aromatic adj2 polyamides) or (PPD-T) or (Twaron) or (KEVLAR)) and 428/903.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/02/20 14:02

S35	4	(((microfilament) or (microfiber) or (micro-filament) or (micro-fiber) or (microfine or ultrafine)) same ((aramid\$) or (polyaramid\$1) or (PBI) or (PPD-T) or (poly-aramid\$1) or (TWARON) or (KEVLAR))) and 428/903.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/02/20 13:54
-----	---	---	---	----	----	------------------